

SPECIFICATION AMENDMENTS

Please amend the paragraphs starting on page 5, line 5 to read:

Figure 23 is a block diagram of a binaural beamforming system with IAD correction; ~~and~~

Figure 24 is a plot ~~is a plot~~ of the polar response patterns and DI values in a beamforming system using first-order directional microphones and IAD correction; and

Figure 25 is a top view of left and right microphones of a beamforming system shown relative to a user's head.

Please amend the paragraph starting on page 15, line 5 to read:

Unlike prior art beamformers, the present beamforming technique is based upon Head Related Transfer Functions (HRTFs) documented in the paper by E.A.G. Shaw. HRTFs describe the effects of the head upon signal reception at the ears, and include what is called "head shadowing." Fig. 25 illustrates head shadowing whereby left and right microphones  $L_{in}$ ,  $R_{in}$ , are worn on the left and right sides of a user's head, which creates an energy propagation barrier between the left microphone and sound arriving at the right side of the user's head, and between the right microphone and sound arriving at the left side of the user's head. ~~In particular, the~~ The present method uses the head shadowing effect to optimize SNR.